Attorney Docket No. 2003B002/2

Reply to Office Action dated September 17, 2009

Date: December 17, 2009

,

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions and listing of claims in this application.

Listing of Claims:

- 1. (Currently amended) An article comprising:
 - a first layer comprising a [[lower]] <u>low</u> crystallinity polymer having from 72 wt% to about 90 wt% propylene and from 10 wt% to 20 wt% ethylene, based on the total weight of the [[lower]] <u>low</u> crystallinity polymer; a melting point, as determined by DSC, of from 20 °C to 110 °C; a Mooney viscosity (ML(1+4)@125°C) of 60 or less; and a polypropylene crystallinity of from 3% to 40%, as determined by DSC; and
 - (b) a second layer comprising a [[higher]] <u>high</u> crystallinity polymer comprising polypropylene, wherein said [[higher]] <u>high</u> crystallinity polymer has:
 - a melting point as determined by DSC which is at least 25°C higher than that of said [[lower]] low crystallinity polymer, and
 - a polypropylene crystallinity that is greater than 40% and higher than that of the [[lower]] <u>low</u> crystallinity polymer;

wherein said second layer is capable of undergoing plastic deformation upon elongation.

2. (Currently amended) The article of claim 1, wherein said [[lower]] <u>low</u> crystallinity polymer and said [[higher]] <u>high</u> crystallinity polymer have compatible crystallinity.

Attorney Docket No. 2003B002/2

Reply to Office Action dated September 17, 2009

Date: December 17, 2009

3. (Currently amended) The article of claim 2, wherein said [[lower]] <u>low</u> crystallinity polymer and said [[higher]] <u>high</u> crystallinity polymer have stereoregular polypropylene crystallinity.

- 4. (Previously presented) The article of claim 1, wherein the first layer further comprises an additional polymer.
- 5. (Currently amended) The article of claim 4, wherein said additional polymer is the same as said [[higher]] high crystallinity polymer.
- 6. (Currently amended) The article of claim 4, wherein said additional polymer is different from said [[higher]] <u>high</u> crystallinity polymer.
- 7. (Currently amended) The article of claim 6, wherein said additional polymer is more crystalline than said [[lower]] <u>low</u> crystallinity polymer.
- 8. (Previously presented) The article of claim 4, wherein said additional polymer is present in an amount of from 2wt% to 30wt%, based on the total weight of said first layer.
- 9. (Previously presented) The article of claim 4, wherein said additional polymer is present in an amount of from 5wt% to 20wt%, based on the total weight of said first layer.
- 10. (Currently amended) The article of claim 1, wherein said ethylene is present in said [[lower]] <u>low</u> crystallinity polymer in an amount of 16.2 wt% or 17.0 wt% based on the total weight of said [[lower]] <u>low</u> crystallinity polymer.
- 11. (Canceled)
- 12. (Currently amended) The article of claim 1, wherein said [[lower]] \underline{low} crystallinity polymer has a triad tacticity of $\geq 75\%$.
- 13. (Currently amended) The article of claim 12, wherein said [[lower]] <u>low</u> crystallinity polymer has a melting point as determined by DSC of from 35°C to 70°C.

Attorney Docket No. 2003B002/2

Reply to Office Action dated September 17, 2009

Date: December 17, 2009

•

14. (Currently amended) The article of claim 1, wherein said [[lower]] <u>low</u> crystallinity polymer has a heat of fusion as determined by DSC of from 20 J/g to 75 J/g.

- 15. (Currently amended) The article of claim 1, wherein said [[lower]] <u>low</u> crystallinity polymer has a molecular weight distribution of from 2.0 to 4.5.
- 16. (Previously presented) The article of claim 1, wherein said polypropylene is a homopolymer or copolymer of propylene and one or more comonomers selected from ethylene and C_4 - C_{12} α -olefins.
- 17. (Original) The article of claim 16, wherein said one or more comonomers is ethylene.
- 18. (Previously presented) The article of claim 3, wherein said polypropylene is a homopolymer or copolymer of propylene and one or more comonomers selected from ethylene and C_4 - C_{12} α -olefins.
- 19. (Previously presented) The article of claim 1, wherein said polypropylene is a random copolymer of propylene and one or more comonomers selected from ethylene and C₄-C₁₂ α-olefins, and wherein said one or more comonomers is present in said copolymer in an amount of from 2wt% to 9 wt%, based on the total weight of said copolymer.
- 20. (Original) The article of claim 19, wherein said one or more comonomers is ethylene.
- 21. (Canceled)
- 22. (Canceled)
- 23. (Previously presented) The article of claim 1, wherein said first layer is in contact with said second layer.
- 24. (Previously presented) The article of claim 23, wherein said article comprises an additional layer in contact with said second layer.

Attorney Docket No. 2003B002/2

Reply to Office Action dated September 17, 2009

Date: December 17, 2009

25. (Previously presented) The article of claim 23, wherein said article comprises an additional layer in contact with said first layer.

- 26. (Previously presented) The article of claim 25, wherein said additional layer is more crystalline than said first layer.
- 27. (Previously presented) The article of claim 25, wherein said additional layer is less crystalline than said first layer.
- 28. (Currently amended) An article comprising:
 - a first layer comprising a [[lower]] <u>low</u> crystallinity polymer having from 72 wt% to about 90 wt% propylene and from 10 wt% to 20 wt% ethylene, based on the total weight of the [[lower]] <u>low</u> crystallinity polymer; a melting point, as determined by DSC, of from 20°C to 110°C; a Mooney viscosity (ML(1+4)@125°C) of 60 or less; and a polypropylene crystallinity of from 3% to 40%, as determined by DSC; and
 - (b) a plastically deformed second layer comprising a [[higher]] <u>high</u> crystallinity polymer comprising polypropylene, wherein said [[higher]] <u>high</u> crystallinity polymer has:
 - a melting point as determined by DSC which is at least 25°C higher than that of said [[lower]] low crystallinity polymer, and
 - a polypropylene crystallinity that is greater than 40% and higher than that of the [[lower]] <u>low</u> crystallinity polymer.
- 29. (Original) The article of claim 28, wherein said article has a Haze value of greater than 70%.
- 30. (Original) The article of claim 28, wherein said article has a Haze value of greater than 80%.

Attorney Docket No. 2003B002/2

Reply to Office Action dated September 17, 2009

Date: December 17, 2009

- 31. (Original) The article of claim 28, wherein said article has a Haze value of greater than 90%.
- 32. (Original) The article of claim 28, wherein said article has a load loss of less than 70%.
- 33. (Original) The article of claim 28, wherein said article has a load loss of less than 60%.
- 34. (Original) The article of claim 28, wherein said article has a load loss of less than 55%.
- 35. (Original) The article of claim 28, wherein said article has a tension set of less than 20%.
- 36. (Original) The article of claim 28, wherein said article has a tension set of less than 15%.
- 37. (Original) The article of claim 28, wherein said article has a tension set of less than 10%.
- 38. (Original) The article of claim 28, wherein said article is a film having two or more layers.
- 39. (Currently amended) The article of claim 28, wherein said [[lower]] <u>low</u> crystallinity polymer and said [[higher]] <u>high</u> crystallinity polymer have compatible crystallinity.
- 40. (Currently amended) The article of claim 39, wherein said [[lower]] <u>low</u> crystallinity polymer and said [[higher]] <u>high</u> crystallinity polymer have stereoregular polypropylene crystallinity.
- 41. (Previously presented) The article of claim 28, wherein the first layer further comprises an additional polymer.
- 42. (Currently amended) The article of claim 28, wherein said additional polymer is the same as the [[higher]] <u>high</u> crystallinity polymer.
- 43. (Currently amended) The article of claim 28, wherein said additional polymer is different from the [[higher]] <u>high</u> crystallinity polymer.

Attorney Docket No. 2003B002/2

Reply to Office Action dated September 17, 2009

Date: December 17, 2009

44. (Currently amended) The article of claim 43, wherein said additional polymer is more crystalline than said [[lower]] <u>low</u> crystallinity polymer.

- 45. (Previously presented) The article of claim 41, wherein said additional polymer is present in an amount of from 2wt% to 30wt%, based on the total weight of said first layer.
- 46. (Previously presented) The article of claim 41, wherein said additional polymer is present in an amount of from 5wt% to 20wt%, based on the total weight of said first layer.
- 47. (Currently amended) The article of claim 28, wherein said [[lower]] <u>low</u> crystallinity polymer-ethylene is present in said [[lower]] <u>low</u> crystallinity polymer in an amount of 16.2 wt% or 17.0 wt% based on the total weight of said [[lower]] <u>low</u> crystallinity polymer.
- 48. (Canceled)
- 49. (Currently amended) The article of claim 28, wherein said [[lower]] <u>low</u> crystallinity polymer has a triad tacticity of ≥75.
- 50. (Currently amended) The article of claim 49, wherein said [[lower]] <u>low</u> crystallinity polymer has a melting point as determined by DSC of from 35°C to 70°C.
- 51. (Currently amended) The article of claim 28, wherein said [[lower]] <u>low</u> crystallinity polymer has a heat of fusion as determined by DSC of from 20 J/g to 75 J/g.
- 52. (Currently amended) The article of claim 28, wherein said [[lower]] <u>low</u> crystallinity polymer has a molecular weight distribution of from 2.0 to 4.5.
- 53. (Previously presented) The article of claim 28, wherein said polypropylene is a homopolymer or copolymer of propylene and one or more comonomers selected from ethylene and C_4 - C_{12} α -olefins.

Attorney Docket No. 2003B002/2

Reply to Office Action dated September 17, 2009

Date: December 17, 2009

54. (Previously presented) The article of claim 39, wherein said polypropylene is a homopolymer or copolymer of propylene and one or more comonomers selected from ethylene and C_4 - C_{12} α -olefins.

- 55. (Previously presented) The article of claim 28, wherein said polypropylene is a random copolymer of propylene and one or more comonomers selected from ethylene and C₄-C₁₂ α-olefins, and wherein said one or more comonomers is present in said copolymer in an amount of from 2wt% to 9 wt%, based on the total weight of said copolymer.
- 56. (Original) The article of claim 55, wherein said one or more comonomers is ethylene.
- 57. (Currently amended) The article of claim 28, wherein said [[higher]] <u>high</u> crystallinity polymer further comprises a homopolymer or copolymer of ethylene and one or more comonomers selected from C_3 - C_{20} α -olefins.
- 58. (Original) The article of claim 57, wherein said one or more comonomers is present in said copolymer in an amount of from 2wt% to 25wt%, based on the total weight of said copolymer.
- 59. (Previously presented) The article of claim 28, wherein said first layer is in contact with said plastically deformed second layer.
- 60. (Previously presented) The article of claim 59, wherein said article comprises an additional layer in contact with said plastically deformed second layer.
- 61. (Previously presented) The article of claim 59, wherein said article comprises an additional layer in contact with said first layer.
- 62. (Previously presented) The article of claim 61, wherein said additional layer is more crystalline than said first layer.
- 63. (Previously presented) The article of claim 61, wherein said additional layer is less crystalline than said first layer.

Attorney Docket No. 2003B002/2

Reply to Office Action dated September 17, 2009

Date: December 17, 2009

•

64. (Original) A garment portion comprising the article of claim 28 adhered to a garment substrate.

65. (Original) The garment portion of claim 64, wherein said garment portion is a diaper backsheet.

Claims 66-142 (Cancelled).

- 143. (Currently amended) A multilayer article comprising:
 - (a) a first layer comprising a [[lower]] <u>low</u> crystallinity polymer in contact with
 - (b) a plastically deformed second layer comprising a [[higher]] <u>high</u> crystallinity polymer,

wherein the [[lower]] <u>low</u> crystallinity polymer comprises from 72 wt% to about 90 wt% propylene and from 10 wt% to 20 wt% ethylene, based on the total weight of the [[lower]] <u>low</u> crystallinity polymer; a melting point, as determined by DSC, of from 20°C to 110°C; a Mooney viscosity (ML(1+4)@125°C) of 60 or less; and a polypropylene crystallinity of from 3% to 40%, as determined by DSC;

wherein the [[higher]] high crystallinity polymer comprises polypropylene; and

wherein the [[lower]] <u>low</u> crystallinity polymer and the [[higher]] <u>high</u> crystallinity polymer have compatible crystallinity, and the [[higher]] <u>high</u> crystallinity polymer has:

a melting point at least 25°C higher than that of the [[lower]] <u>low</u> crystallinity polymer, and

a polypropylene crystallinity that is greater than 40% and higher than that of the [[lower]] <u>low</u> crystallinity polymer.

144. (Original) The article of claim 143, wherein the article is a multilayer film.

Attorney Docket No. 2003B002/2

Reply to Office Action dated September 17, 2009

Date: December 17, 2009

- 145. (Currently amended) The article of claim 143, wherein the [[lower]] <u>low</u> crystallinity polymer and [[higher]] <u>high</u> crystallinity polymer have stereoregular polypropylene crystallinity.
- 146. (Currently amended) The article of claim 143, wherein said is present in said [[lower]] low crystallinity polymer in an amount of 16.2 wt% or 17.0 wt% based on the total weight of said [[lower]] low crystallinity polymer.
- 147. (Canceled)
- 148. (Currently amended) The article of claim 143, wherein the [[lower]] <u>low</u> crystallinity polymer has a triad tacticity of ≥75%.
- 149. (Currently amended) The article of claim 143, wherein the [[lower]] <u>low</u> crystallinity polymer has a heat of fusion as determined by DSC of from 20 J/g to 75 J/g.
- 150. (Currently amended) The article of claim 143, wherein the [[lower]] <u>low</u> crystallinity polymer has a melting point as determined by DSC of from 35°C to 70°C.
- 151. (Currently amended) The article of claim 143, wherein the [[lower]] <u>low</u> crystallinity polymer has a molecular weight distribution of from 2.0 to 4.5.
- 152. (Previously presented) The article of claim 143, wherein the polypropylene is a homopolymer or copolymer of polypropylene with stereoregular propylene sequences.
- 153. (Previously presented) The article of claim 143, wherein the polypropylene is a random copolymer of propylene and a comonomer selected from ethylene, C_4 - C_{12} α -olefins, and combinations thereof.
- 154. (Original) The article of claim 153, wherein the copolymer comprises 2 to 9% by weight polymerized comonomer based on the weight of the copolymer.
- 155. (Original) The article of claim 154, wherein the comonomer is ethylene.

Attorney Docket No. 2003B002/2

Reply to Office Action dated September 17, 2009

Date: December 17, 2009

- 156. (Original) The article of claim 143, wherein the article has a Haze value of greater than 70%.
- 157. (Original) The article of claim 143, wherein the article has a Haze value of greater than 80%.
- 158. (Original) The article of claim 143, wherein the article has a Haze value of greater than 90%.
- 159. (Original) The article of claim 143, wherein the article has a load loss of less than 70%.
- 160. (Original) The article of claim 143, wherein the article has a load loss of less than 60%.
- 161. (Original) The article of claim 143, wherein the article has a load loss of less than 55%.
- 162. (Original) The article of claim 143, wherein the article has a tension set of less than 20%.
- 163. (Original) The article of claim 143, wherein the article has a tension set of less than 15%.
- 164. (Original) The article of claim 143, wherein the article has a tension set of less than 10%.
- 165. (Currently amended) The article of claim 143, wherein the first layer further comprises an additional polymer, wherein the [[lower]] <u>low</u> crystallinity polymer and the additional polymer have compatible crystallinity.
- 166. (Currently amended) The article of claim 165, wherein the additional polymer is a propylene homopolymer or a copolymer of propylene and at least one comonomer selected from ethylene, C_4 - C_{20} α -olefin, and combinations thereof, and wherein the amount of comonomer present in the additional polymer is less than the amount of ethylene present in the [[lower]] <u>low</u> crystallinity polymer.
- 167. (Previously presented) The article of claim 165, wherein the additional polymer is present in an amount of from 2 to 30% by weight based on the total weight of the first layer.

Attorney Docket No. 2003B002/2

Reply to Office Action dated September 17, 2009

Date: December 17, 2009

168. (Previously presented) The article of claim 165, wherein the additional polymer is present in an amount of from 5 to 20% by weight based on the total weight of the first layer.

- 169. (Previously presented) The article of claim 143, wherein the article further comprises an additional first layer in contact with the first layer.
- 170. (Previously presented) The article of claim 143, wherein the article further comprises an additional plastically deformed second layer in contact with the first layer.
- 171. (Original) A garment portion comprising the article of claim 143 adhered to a garment substrate.
- 172. (Original) The garment portion of claim 68, wherein the garment portion is a diaper backsheet.
- 173. (Currently amended) A multilayer article comprising:
 - (a) a first layer comprising a [[lower]] <u>low</u> crystallinity polymer in contact with
 - (b) a plastically deformed second layer comprising a [[higher]] <u>high</u> crystallinity polymer,
 - wherein the [[lower]] <u>low</u> crystallinity polymer comprises from 72 wt% to about 90 wt% propylene and from 10 wt% to 20 wt% ethylene, based on the total weight of the [[lower]] <u>low</u> crystallinity polymer; a melting point, as determined by DSC, of from 20°C to 110°C; a Mooney viscosity (ML(1+4)@125°C) of 60 or less; and a polypropylene crystallinity of from 3% to 40%, as determined by DSC;

wherein the [[higher]] high crystallinity polymer comprises polypropylene; and

wherein the [[lower]] <u>low</u> crystallinity polymer and the [[higher]] <u>high</u> crystallinity polymer do not have similar crystallinity, and the [[higher]] <u>high</u> crystallinity polymer has:

Attorney Docket No. 2003B002/2

Reply to Office Action dated September 17, 2009

Date: December 17, 2009

a melting point at least 25°C higher than that of the [[lower]] <u>low</u> crystallinity polymer, and

a polypropylene crystallinity that is greater than 40% and higher than that of the [[lower]] <u>low</u> crystallinity polymer.

- 174. (Original) The article of claim 173, wherein the article is a multilayer film.
- 175. (Currently amended) The article of claim 173, wherein the [[lower]] <u>low</u> crystallinity polymer has stereoregular polypropylene crystallinity and the [[higher]] <u>high</u> crystallinity polymer has ethylene crystallinity.
- 176. (Currently amended) The article of claim 173, wherein said ethylene is present in said [[lower]] <u>low</u> crystallinity polymer in an amount of 16.2wt% or 17.0wt% based on the total weight of said [[lower]] <u>low</u> crystallinity polymer.
- 177. (Canceled)
- 178. (Currently amended) The article of claim 173, wherein the [[lower]] <u>low</u> crystallinity polymer has a triad tacticity of ≥75%.
- 179. (Currently amended) The article of claim 173, wherein the [[lower]] <u>low</u> crystallinity polymer has a heat of fusion as determined by DSC of from 20 J/g to 75 J/g.
- 180. (Currently amended) The article of claim 173, wherein the [[lower]] <u>low</u> crystallinity polymer has a melting point as determined by DSC of from 35°C to 70°C.
- 181. (Currently amended) The article of claim 173, wherein the [[lower]] <u>low</u> crystallinity polymer has a molecular weight distribution of from 2.0 to 4.5.
- 182. (Currently amended) The article of claim 173, wherein the polypropylene is a homopolymer or copolymer of ethylene and at least one comonomer selected from C₃-C₂₀ α-olefins, and combinations thereof, and wherein the comonomer is present in the [[higher]] high crystallinity polymer in an amount of from about 2wt% to about 25wt%.

Attorney Docket No. 2003B002/2

Reply to Office Action dated September 17, 2009

Date: December 17, 2009

- 183. (Original) The article of claim 182, wherein the comonomer is hexene.
- 184. (Original) The article of claim 173, wherein the article has a Haze value of greater than 70%.
- 185. (Original) The article of claim 173, wherein the article has a Haze value of greater than 80%.
- 186. (Original) The article of claim 173, wherein the article has a Haze value of greater than 90%.
- 187. (Original) The article of claim 173, wherein the article has a load loss of less than 70%.
- 188. (Original) The article of claim 173, wherein the article has a load loss of less than 60%.
- 189. (Original) The article of claim 173, wherein the article has a load loss of less than 55%.
- 190. (Original) The article of claim 173, wherein the article has a tension set of less than 20%.
- 191. (Original) The article of claim 173, wherein the article has a tension set of less than 15%.
- 192. (Original) The article of claim 173, wherein the article has a tension set of less than 10%.
- 193. (Currently amended) The article of claim 173, wherein the first layer further comprises an additional polymer, wherein the [[lower]] <u>low</u> crystallinity polymer and the additional polymer have compatible crystallinity.
- 194. (Currently amended) The article of claim 193, wherein the additional polymer is a propylene homopolymer or a copolymer of propylene and at least one comonomer selected from ethylene, C₄-C₂₀ α-olefin, and combinations thereof, and wherein the amount of comonomer present in the additional polymer is less than the amount of ethylene present in the [[lower]] low crystallinity polymer.

Attorney Docket No. 2003B002/2

Reply to Office Action dated September 17, 2009

Date: December 17, 2009

195. (Previously presented) The article of claim 193, wherein the additional polymer is present in an amount of from 2 to 30% by weight based on the total weight of the first layer.

- 196. (Previously presented) The article of claim 193, wherein the additional polymer is present in an amount of from 5 to 20% by weight based on the total weight of the first layer.
- 197. (Previously presented) The article of claim 173, wherein the article further comprises an additional first layer in contact with the first layer.
- 198. (Previously presented) The article of claim 173, wherein the article further comprises an additional plastically deformed second layer in contact with the first layer.

Claims 199-222 (Cancelled).